

**3RD
DAILY
CARDIOLOGY
SYMPOSIUM**

CONCISE, PRECISE, PRACTICAL

2nd Day, 1st Panel, 2nd Lecture

Pericardial Emergencies

**Approach to diagnosis and management of
cardiac tamponade**



Learning Objectives & Case Vignette

Learning Objectives

- Physiology of pericardium & cardiac tamponade
- Etiologies of cardiac tamponade
- Clinical presentation of cardiac tamponade and its spectrum
 - Acute cardiac tamponade
 - Subacute cardiac tamponade
 - Low pressure cardiac tamponade
 - Regional cardiac tamponade

Learning Objectives

- Physical findings of cardiac tamponade
- The roles & rules of diagnostic modalities in cardiac tamponade
- Echocardiography in cardiac tamponade
- Differential diagnosis of cardiac tamponade

Learning Objectives

- Treatment approach to cardiac tamponade
- Choosing between percutaneous or surgical drainage for cardiac tamponade
- Contraindications & complications of fluid removal
- Evaluation of the removed fluid
- Post-procedure monitoring

Case Vignette

- 58 Y/O gentleman, with Hx. of HTN and low adherence to the medications
- Hx. of lung cancer from a year ago, under chemoradioTx
- Came to the ED with worsening of dyspnea from 5-6 days ago
accompanied by chest discomfort
- He's alert and oriented, he's not in acute respiratory distress

Case Vignette con.

- Ph/E:
 - BP: 130/95 mmHg, HR: 112 bpm, O₂sat%: 90% in ambient air
- ECG: sinus tachycardia, low voltage QRS complexes, no ST/T changes
- Limited bedside echo in the ED:
 - Large pericardial effusion, IVC plethora, RA and RV collapse

What is your recommendation for further evaluation and management of this patient?

**Stay Tuned with
Daily Cardiology Symposium 1402**

Pericardial Emergencies

Tir 23rd, 09:30 – 11:00

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